

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	1	of	3
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Application Number	10/789,159
Filing Date	February 27, 2004
First Named Inventor	Ochiya, Takahiro
Art Unit	1645
Examiner Name	Not yet assigned
Attorney Docket Number	082368-000200US

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04/13/2007

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NON PATENT LITERATURE DOCUMENTS			
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/leb/	AE	AZUMA, H., et al., "Enrichment of Hepatic Progenitor Cells from Adult Mouse Liver," <i>Hepatology</i> , 2003, pp. 1385-84, Vol. 37(6).	
	AF	CHINZEI, R., et al., "Embryoid-Body Cells Derived from a Mouse Embryonic Stem Cell Line Show Differentiation Into Functional Hepatocytes," <i>Hepatology</i> , 2002, pp. 22-29, Vol. 36(1).	
	AG	CHOI, D., et al., "In Vivo Differentiation of Mouse Embryonic Stem Cells Into Hepatocytes," <i>Cell Transplantation</i> , 2002, pp. 359-68, Vol. 11(4).	
	AH	FAIR, JH, et al., "Induction of Hepatic Differentiation in Embryonic Stem Cells By Co-Culture With Embryonic Cardiac Mesoderm," <i>Surgery</i> , 2003, pp. 189-96, Vol. 134(2).	
	AI	HAMAZAKI, T., et al., "Hepatic Maturation in Differentiating Embryonic Stem Cells In Vitro," <i>FEBS Letters</i> , 2001, pp. 15-19, Vol. 497(1).	
	AJ	HE, ZP, et al., "Differentiation of Putative Hepatic Stem Cells Derived from Adult Rats into Mature Hepatocytes in the Presence of Epidermal Growth Factor and Hepatocyte Growth Factor," <i>Differentiation</i> , 2003, pp. 281-90, Vol. 71(4-5).	
	AK	HU, A., et al., "Hepatic Differentiation from Embryonic Stem Cells In Vitro," <i>Chinese Medical Journal</i> , 2003, pp. 1893-97, Vol. 116(12).	
	AL	ISHIZAKA, S., et al., "Development of Hepatocytes from ES Cells After Transfection with the HNF-3 β Gene," <i>FASEB Journal</i> , 2002, pp. 1444-46, Vol. 16(11).	
	AM	ITSKOVITZ-ELDOR, J., et al., "Differentiation of Human Embryonic Stem Cells Into Embryoid Bodies Comprising the Three Embryonic Germ Layers," <i>Molecular Medicine</i> , 2000, pp. 88-95, Vol. 6(2).	
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	AO	JONES, E.A., et al., "Hepatic Differentiation of Murine Embryonic Stem Cells," <i>Experimental Cell Research</i> , 2002, pp. 15-22, Vol. 272(1).	
	AP	KANDA, S., et al., "In Vitro Differentiation of Hepatocyte-Like Cells from Embryonic Stem Cells Promoted By Gene Transfer of Hepatocyte Nuclear Factor 3 β ," <i>Hepatology Research</i> , 2002, pp. 225-231, Vol. 26(3).	
	AQ	KUAI, XL, et al., "Generation of Hepatocytes From Cultured Mouse Embryonic Stem Cells," <i>Liver Transplantation</i> , 2003, pp. 1094-99, Vol. 9(10).	
	AR	MITAKA, T. et al., "Effects of Mitogens and Co-Mitogens on the Formation of Small-Cell Colonies in Primary Cultures of Rat Hepatocytes," <i>Journal of Cellular Physiology</i> , 1993, pp. 461-68, Vol. 157(3).	
	AS	MIYASHITA, H., et al., "Evidence for Hepatocyte Differentiation from Embryonic Stem Cells In Vitro," <i>Cell Transplantation</i> , 2002, pp. 429-34, Vol. 11(5).	
	AT	OCHIYA, T., et al., "Hepatic Cell Differentiation from ES Cells and Progress Toward Liver Regenerative Medicine," <i>The 2nd Meeting of the Japanese Society for Regenerative Medicine</i> , 2003, pp. 89(1433), Vol. 2(Suppl)	x
	AU	OCHIYA, T., "Differentiation of Embryonic Stem Cells Into Hepatocytes: Biological Functions and Therapeutic Application," 2004, <i>Keystone Symposia</i> , 2004, pp. 104(337), Vol. Stem Cells	
	AV	OH, SH, et al., "Hepatocyte Growth Factor Induces Differentiation of Adult Rat Bone Marrow Cells Into a Hepatocyte Lineage In Vitro," 2000, <i>Biochemical and Biophysical Research Communications</i> , 2000, pp. 500-04, Vol. 279(2).	

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/leb/	AW	OKUMOTO, K., et al., "Differentiation of Bone Marrow Cells into Cells That Express Liver-Specific Genes In Vitro: Implication of the Notch Signals in Differentiation," <i>Biochemical and Biophysical Research Communications</i> , 2003, pp. 691-95, Vol. 304(4)	
	AX	RAMBHATLA, L., et al., "Generation of Hepatocyte-Like Cells from Human Embryonic Stem Cells," <i>Cell Transplantation</i> , 2003, pp. 1-11, Vol. 12(1)	
	AY	RUHNKE, M., et al., "Long-Term Culture and Differentiation of Rat Embryonic Stem Cell-Like Cells into Neuronal, Glial, Endothelial, and Hepatic Lineages," <i>Stem Cells</i> , 2003, pp. 428-36, Vol. 21(4)	
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	BH	TERATANI, T., et al., "Derivation of Hepatocytes from Stem Cells in Adherent Monoculture System," <i>The 26th Annual Meeting of the Molecular Biology Society of Japan</i> , 2003, p. O4K-10	x
	BI	YAMADA, T. et al., "In Vitro Differentiation of Embryonic Stem Cells into Hepatocyte-Like Cells Identified by Cellular Uptake of Indocyanine Green," <i>Stem Cells</i> , 2002, pp. 146-54, Vol. 20(2)	
	BJ	YAMAMOTO, H. et al., "Differentiation of Embryonic Stem Cells into Hepatocytes: Biological Functions and Therapeutic Application," <i>Hepatology</i> , 2003, pp. 983-93, Vol. 37(5)	
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PTO/SB/08A (08-03)

Substitute for form 1449A			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/789,159	
			Filing Date	February 27, 2004	
			First Named Inventor	Ochiya, Takahiro	
			Art Unit	Not yet assigned	
			Examiner Name	Not yet assigned	
Sheet	1	of	3	Attorney Docket Number	082368-000200US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/leb/	BN	5,380,680	01/10/1995	Jefferson et al.	
	BO	6,458,589 B1	10/01/2002	Rambhatla et al.	
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	BR	2002/0160511 A1	10/31/2002	Rambhatla et al.	
	BS	2002/0164307 A1	11/07/2002	Habener et al.	
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	CC	2005/003456 A1	01/06/2005	Miyoshi et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
V	CE	WO	01/39784	A1	06/07/2001	The General Hospital Corporation		<input type="checkbox"/>
	CF	WO	02/062969	A2	08/15/2002	Massachusetts Institute of Technology		<input type="checkbox"/>
	CG	WO	02/096203	A1	12/05/2002	Cythera, Inc.		<input type="checkbox"/>
	CH	WO	2004/007683	A2	01/22/2004	Massachusetts Institute of Technology		<input type="checkbox"/>
	CI	WO	2004/087896	A2	10/14/2004	Pfizer Products Inc.		<input type="checkbox"/>
	CJ	HU	9902752 (English Abstract only)		12/28/1999	Geoffrey D. Block		<input checked="" type="checkbox"/>
	CK	JP	9-103291 (with English Abstract)		04/22/1997	Wako Pure Chem. Ind. Ltd.		<input checked="" type="checkbox"/>
	CL	JP	2000-287680 (with English Abstract)	A	10/17/2000	Sentan Kagaku Gijutsu Incubati		<input checked="" type="checkbox"/>
	CM	JP	2001-316285 (with English Abstract)	A	11/13/2001	Tabata Yasuhiko and Kaken Pharma Co., Ltd.		<input checked="" type="checkbox"/>
	CN	JP	2002-78482 (with English Abstract)		03/19/2002	Snow Brand Mild Prod. Co., Ltd.		<input checked="" type="checkbox"/>

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/leb/	CO	ABE, Koichiro <i>et al.</i> ; "Endoderm-specific gene expression in embryonic stem cells differentiated to embryoid bodies"; <u>Experimental Cell Research</u> ; 1996; pp. 27-34; Vol. 229; Academic Press, Inc.		
	CP	AUBERT, Jérôme <i>et al.</i> ; "Functional gene screening in embryonic stem cells implicates Wnt antagonism in neural differentiation"; <u>Nature Biotechnology</u> ; December 2002; pp. 1240-1245; Vol. 20; Nature Publishing Group		
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	CZ	NAHON, Jean Louis; "The regulation of albumin and α -fetoprotein gene expression in mammals"; <u>Biochimie</u> ; 1987; pp. 445-459; Vol 69; Société de Chimie biologique/Elsevier, Paris		
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/leb/	DE	WILLIAMS, R. Lindsay <i>et al.</i> ; "Myeloid leukaemia inhibitory factor maintains the developmental potential of embryonic stem cells;" <i>Nature</i> ; December 15, 1988; pp. 684-687; Vol. 336	

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		US-			
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V	AC	OCHIYA, et al.; United States Non-Provisional Patent Application Number 11/210,337; "Human hepatocyte-like cells and uses thereof;" filed on August 23, 2005.	<input type="checkbox"/>
	AD	KAMIYA, et al.; "Fetal Liver Development Requires a Paracrine Action of Oncostatin M Through The gp130 Signal Transducer;" <u>The EMBO Journal</u> ; 1999; pp. 2127-2136; Volume 18; Number 8; European Molecular Biology Organization	<input type="checkbox"/>
	AE	LEE, et al.; "In Vitro Hepatic Differentiation of Human Mesenchymal Stem Cells;" <u>Hepatology</u> ; December 2004; pp. 1275-1284; Volume 40; Number 6.	<input type="checkbox"/>
	AF	LEE, et al.; "Isolation of Multipotent Mesenchymal Stem Cells from Umbilical Cord Blood; <u>Blood</u> ; March 1, 2004; pp. 1669-1675; Volume 103; Number 5.	<input type="checkbox"/>

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